

General Environmental Incident Summary

Incident: 3779

Notice: 6/15/2015

Occurred: 6/13/2015 2230

DEM Incident No:

No Further Action: ☒

Responsible Party: Montana-Dakota Utilities Co.

County: Burleigh

Twp Rng Sec Qtr: 138 80 10

Lat Long + Method: 46.79098 -100.75850 Interpolation from map

Location Description: Approximately 30' west of RHI Supply building at 1222 S 22nd St., Bismarck, ND

Submitted By Info: Andy McDonald
Montana-Dakota Utilities Co
400 N 4th St
Bismarck ND 58501

Received By Info:

Contact Info: Andy McDonald
400 N Fourth St.
Bismarck ND 58501

Affected Medium: 03 - soil

Near. Occupied Bldg: 30 Feet

Type of Incident: Pole Mount Transformer Leak Due to Lightning Strike

Release Contained: Yes

Reported to NRC: Unknown

Contaminant: Mineral Oil from transformer (<2ppm PCB as indicated on name plate of transformer; manufactured date of 1/97)

Volume of Release: 9 gallons

Duration of Release:

Agriculture Related: No

EPA Extremely

Hazardous Substance: No

Number of Fatalities: 0

Number of Injuries: 0

Cause of Incident:

Due to the current state of the transformer, it was determined that a lightning strike was the most likely cause of the equipment failure. The manager of RHI Supply was down at the shop at 22:30 on 6/13 and noticed the power was out. His items in the fridge were still cold so we are estimating that the lightning strike occurred within 4-6 hours prior to that time, which coincides with thunderstorms that moved through the area. He did not notice the transformer until early Monday morning and called Montana-Dakota around 6:45 on 6/15.

Risk Evaluation:

None

Potential Env. Impacts:

Since the mineral oil was non-PCB (<2 ppm) and the contaminated soil and grass were removed, environmental impacts are expected to be limited to the grass and soil that were removed from the site. Montana-Dakota will be replacing the sod and soil that was removed.

Action Taken/Planned:

The spill was onto grass, soil, a fence, and a trailer, located on the west side of the building. The contaminated grass and soil were removed to the visual extent of contamination. A 24' enclosed

trailer, parked on the west side of the fence, had a small amount of oil present on the rear door. The oil was cleaned off of the trailer and the fence with solvent wipes. Clean-up was completed by approximately 12:00 on 6/15.

Wastes Disposal Location:

The solvent wipes, grass, and soil will be placed in drums and shipped to US Ecology in Grand View, ID.

Other Agencies Involved:

Updates

Date: 6/17/2015 ***Status:*** Correspondence

Author: Martin, Russell

Notes:

Email from responsible party with description of cleanup and photos of cleanup. Impacted material is being sent to US Ecology in Idaho in the next scheduled shipment. An approximately 10'x10' area with three 55 gal drums filled of impacted material. Photos of dataplate confirm that mineral oil is non-PCB (<2 ppm).

Updated Volume: None at the time of this update

Date: 6/23/2015 ***Status:*** Inspection

Author: Martin, Russell

Notes:

6/23/2015 at 13:04, the area under powerpole, on west boundary of facility within fenced-in grass lot, has been scraped up in a semi-circle around the pole.

Updated Volume: None at the time of this update